

# ABSTRACT

A lithium-ion-conducting sulfide-based crystallized glass including: lithium (Li), phosphorus (P), and sulfur (S) elements, wherein the glass has diffraction peaks at  $2\theta = 17.8 \pm 0.3$  deg,  $18.2 \pm 0.3$  deg,  $19.8 \pm 0.3$  deg,  $21.8 \pm 0.3$  deg,  $23.8 \pm 0.3$  deg,  $25.9 \pm 0.3$  deg,  $29.5 \pm 0.3$  deg and  $30.0 \pm 0.3$  deg in X-ray diffraction (CuK $\alpha$ :  $\lambda = 1.5418$  Å).